

Join us on the second Thursday of every month for a series of "brown bag" seminars sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy. Each seminar is held at NREL's Washington offices with a video-conference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.



# Energy Analysis Seminar Series

*A "brown bag" analytical seminar series*

## **Valuing Renewable Generation Assets: How Market Fundamentals and Regulations Drive Green Premiums**

Christopher MacCracken, Senior Manager  
ICF Consulting  
Thursday, July 10, 2003  
Noon–1 p.m.

As the renewable marketplace moves toward more of a merchant configuration, forecasting the value of a renewable generation asset is going to be increasingly essential for securing project financing. Under merchant conditions, the value of a renewable power project is a function of the cost of the resource, the "green premium" that can be acquired in the marketplace, and the underlying wholesale power market. This presentation will explore the relationship between these factors and how ICF Consulting captures their impacts on the value of renewable generation.

**Christopher MacCracken** has 10 years' experience in energy and economic modeling, as well as using models to assess the potential impacts of environmental policies on regional economies and on the energy sector. He has studied the potential impacts of regulatory uncertainty and electric market trends on electric, fuel, and emission allowance markets. MacCracken also has done extensive work assessing the potential economic benefits of renewable and other advanced energy technologies in mitigating climate change. MacCracken has a master's of science in industrial administration from Carnegie Mellon University and a bachelor's degree in economics from the University of California. Before joining ICF Consulting, he was a senior research scientist with the Global Climate Change Group at Battelle-Pacific Northwest National Laboratory (PNNL).



Christopher MacCracken

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